AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-293

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

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*** 2008 AMSAT Space Symposium and Annual General Meeting ***
*** October 24-26 in Atlanta, Georgia ***
*** http://www.amsat.org/amsat-new/symposium/2008/index.php ***
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SB SAT @ AMSAT $ANS-293.01
2008 AMSAT Space Symposium Begins This Week

AMSAT News Service Bulletin 293.01
>From AMSAT HQ SILVER SPRING, MD.
October 19, 2008
To All RADIO AMATEURS
BID: $ANS-293.01

The 2008 Harry Yoneda JA1ANG AMSAT Space Symposium and Annual Meeting is right on schedule for October 24-26, 2008.

Highlights of the weekend include:

+ Board of Director's Meeting on October 23 - 24.

+ AMSAT-NA General Membership Meeting on Saturday, October 25 from 10-12 AM Eastern Daylight Time (UTC-4). The AMSAT General Meeting will be broadcast on EchoLink AMSAT Conference, node 101377. Users may ask questions via the chat link.

+ AMSAT Annual Banquet will be held on Saturday evening October 25. The banquet speaker is Daniel Schultz, N8FQV who will describe the The Hubble Space Telescope Repair Mission.

+ AMSAT's Field Operations Breakfast will be held on Sunday morning, October 26.

+ A free Sunday morning workshop 'Introduction to Digital Signal Processing' presented by Phil Harman, VK6APH.

+ The grand prize to be given away at the Banquet this year is an
  ICOM IC-910.

The full Symposium Schedule will be posted on-line:
http://www.amsat.org/amsat-new/symposium/2008/index.php

[ANS thanks the 2008 Symposium Committee for the above information]

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SB SAT @ AMSAT $ANS-293.02
2008 AMSAT Space Symposium Presentations List

AMSAT News Service Bulletin 293.02
>From AMSAT HQ SILVER SPRING, MD.
October 19, 2008
To All RADIO AMATEURS
BID: $ANS-293.02

A list of the 2008 Symposium Talks has been released and includes:

+ Anthony Monteiro, AA2TX - Space Radio for Windows

+ Lï¿½pez Villalobos Josï¿½ de Jesï¿½s, XE2N; ï¿½lvarez Cï¿½rdenas Omar,
XE1AO;
  Dora Luz Candanosa Salazar XE2DLC - Modeling Robot Control for AO-51
  Satellite Follower

+ Paul Marsh, M0EYT - S-band and X-band deep space reception

+ Tim Salo, AB0DO - Proposed Network-Centric Architecture for the ACP

+ JoAnne Maenpaa, K9JKM - AMSAT Opportunities for Communications
  Interoperability

+ Richard Chapman, KC4IFB, Jean-Marie Wersinger KI4YAU; Thor Wilson;
  John Klingelhoeffer, WB4LNM - AubieSat1:A Student Designed CubeSat
  Developed at Auburn University

+ David Bowman, G0MRF - Medium Earth Orbit - An Affordable Alternative
  to HEO

+ Joe Lynch, N6CL - The Meteor Shower Nobody Saw ï¿½ Revisited

+ Tim Lilley, N3TL - Handheld FM Satellite Stations : Meeting FCC Part
  97.1 with a Superb Tool for Recruiting New Operators

+ Tom Clark, K3IO - Taking Eagle to New Heights: A Strawman Design for
  a Geostationary Amateur Satellite

+ Frank Bauer, KA3HDO - ARISS

+ Lou McFadin, W5DID - SuitSat-2/Radioskaf-2: The second Amateur Radio
  Space Suit project and stepping stone to future small amateur
  satellites

+ Christian Rodriguez, Henric Boiardt - Using Iridium's satellite
network
  for amateur satellite communications in Low Earth Orbit

+ Bill Ress, N6GHZ - ITAR and AMSAT

+ Phil Karn, KA9Q - Power-efficient FEC-coded low rate telemetry formats

+ Giulio Pezzi, IZ4FVW/AB2VY - HSSDT Project - High Speed Satellite Data

  Transmitter

+ Gould Smith, WA4SXM - AO-51 Operations Before, During and After the No

  Eclipse Period

+ Fred Kennedy, ZL1BYP - KiwiSat, A Communications Satellite for New
  Zealand (presented by Bill Ress, N6GHZ)

+ Hans van de Groenendaal, ZS6ZKV - SumbandilaSat UpOctober 19
(presented by

  Gould Smith, WA4SXM)

+ Howard Long, G6LVB - P3E's Software Defined Transponder (SDX)

+ Phil Harman, VK6APH - Introduction to Digital Signal Processing

[ANS thanks the 2008 Symposium Committee for the above information]

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SB SAT @ AMSAT $ANS-293.03
Richard Garriott Amateur Radio Operations Commence From ISS

AMSAT News Service Bulletin 293.03
>From AMSAT HQ SILVER SPRING, MD.
October 19, 2008
To All RADIO AMATEURS
BID: $ANS-293.03

ARISS International Chairman, and AMSAT-NA V.P. for Human Spaceflight Programs, Frank Bauer, KA3HDO reported Richard Garriott is now on-orbit after a successful launch.  The Soyuz crew has completed docking with the ISS as of October 14.  All are aboard the ISS.

Richard has commenced amateur radio activity from the ISS using FM phone, Slow-Scan Television (SSTV), and packet operations.  The ARISS team encourages hams to upload their ISS SSTV pictures on the ARISS SSTV Gallery. In addition, we are posting late breaking information and pictures on the ARISS SSTV blog.

The blog is at:
http://www.ariss-sstv.blogspot.com/

And the gallery is at:
http://www.amsat.com/ARISS_SSTV/

There are links at the Gallery site to submit your SSTV pictures.  Also included are helpful hints for SSTV operations during Richard Garriott's

flight.  ARISS appreciates your SSTV picture submissions to the gallery.

Amateur stations around the world have reported hearing FM voice and SSTV operation while the ISS crew is awake.  Packet operations are planned for operation during the crew sleep period (20:30-05:00 UTC).

Digital/APRS:

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Worldwide packet uplink:   145.825 MHz FM
Worldwide packet downlink: 145.825 Mhz FM

Voice:
Region 1 voice uplink:     145.200 MHz FM
Region 2/3 voice uplink:   144.490 MHz FM
Worldwide downlink:        145.800 MHz FM

Crossband Repeater:
Repeater Uplink:           437.800 MHz FM
Repeater Downlink:         145.800 MHz FM

SSTV Robot 36:
Downlink:                  145.800 MHz FM

[ANS thanks ARISS for the above information]

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SB SAT @ AMSAT $ANS-293.04
Delfi-C3 in Telemetry Mode

AMSAT News Service Bulletin 293.04
>From AMSAT HQ SILVER SPRING, MD.
October 19, 2008
To All RADIO AMATEURS
BID: $ANS-293.04

Wouter Jan Ubbels PE4WJ, reports the Delfi-C3/DO-64 teama has
successfully switched their Delfi-C3 satellite into basic mode.

This means Delfi-C3 is currently transmitting 1200bit/s BPSK house-
keeping telemetry on the primary downlink frequency of 145.870MHz.

In this mode, AX.25 frames containing housekeeping telemetry are
transmitted approximately once every 4-5 secs, with the rest of the
transmission being filled with idle flags.

The Delfi team encourages everyone to receive, decode and forward
telemetry using the RASCAL software as previously done during the
first three months of science mission. The RASCAL telemetry decoding
software can be downloaded at: http://www.delfic3.nl/rascal

At this moment, the Delfi team does not know how long the satellite
will be in this mode, but they are planning on a couple of weeks of
telemetry operations. You can stay informed on their mission opera-
tions page at

http://www.delfic3.nl/index.php?option=com_content&task=view&id□&
Itemid
2

and via the AMSAT-BB. They will regularly post on and monitor the
OSCAR status page at http://oscar.dcarr.org/ as well.

[ANS thanks Wouter Jan Ubbels PE4WJ for the above information]

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SB SAT @ AMSAT $ANS-293.05
AMSAT Receives CFC Certification for 2008
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AMSAT News Service Bulletin 293.05
>From AMSAT HQ SILVER SPRING, MD.
October 19, 2008
To All RADIO AMATEURS
BID: $ANS-293.05

The Office of Combined Federal Campaign Operations has approved AMSAT-NA for participation in the 2008 CFC. The CFC, or Combined Federal Campaign, is the U.S. Government equivalent of the United Way in the private sector. The campaign affords all US Government employees the opportunity to make donations from their regular paychecks to CFC approved Charities.

This stamp of approval means that AMSAT has met the strict standards set by the U.S. Office of Personnel Management (OPM) assuring donors that our programs of work, financial, and operations meet the standards for eligible volunteer agencies.

Those AMSAT supporters who which to make payroll contributions should Select the Radio Amateur satellite Corporation (AMSAT) during their campaign this coming fall. The AMSAT CFC Charity number is 10158. Payroll
deduction is a simple, convenient way to support your AMSAT.

Gunther Meisse W8GSM
Treasurer, AMSAT North America

[ANS thanks Gunther, W8GSM for the above information]

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SB SAT @ AMSAT $ANS-293.06
WinAPRS Writer Hurt in Balloon Crash

AMSAT News Service Bulletin 293.06
>From AMSAT HQ SILVER SPRING, MD.
October 19, 2008
To All RADIO AMATEURS
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ANS received news via Amateur Radio Newsline that a ham known to many in AMSAT has been critically injured in a hot air balloon crash at the Albuquerque International Balloon Fiesta on Friday, October 10th. Another passenger aboard the ballon was killed in the crash.

Killed in the crash was Stephen Lachendro, of Butler, Pennsylvania. Keith Sproul, WU2Z, was critically injured in the accident when the 'Wings of Wind' balloon hit powerlines near the festival grounds just North of the city.

According to news reports, there were gusty winds as the two balloonists were trying to land. From pictures taken by attendees, it appears as if the basket carrying the men caught fire after hitting the power lines, separated from the balloon envelope and fell to the ground.

First responders reported that Lachendro was found lying on the side of a ditch after falling 45 feet to his death. Sproul who was reportedly piloting the balloon jumped some 60 feet from the burning gondola. WU2Z was unconscious when he was found and was flown by helicopter to a local hospital where he was admitted in critical condition. Reports say that he suffered a broken leg and hip, punctured lungs and burns

to his face.

Keith Sproul is the twin brother Mark Sproul, KB2ICI. The two are best known in ham radio circles as the co-authors of the popular WinAPRS, MacAPRS and X-APRS  APRS is the multi-faceted position reporting system originally developed by Bob Bruninga, WB4APR.  It allows the monitoring of real time geographical information such as the position of vehicles, the status of weather, radio direction finding and much more.

According to a National Guard spokesman at the scene, the National Transportation Safety Board will investigate this latest crash.

[ANS thanks the Amateur Radio Newsline for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM
K9JKM at amsat dot org